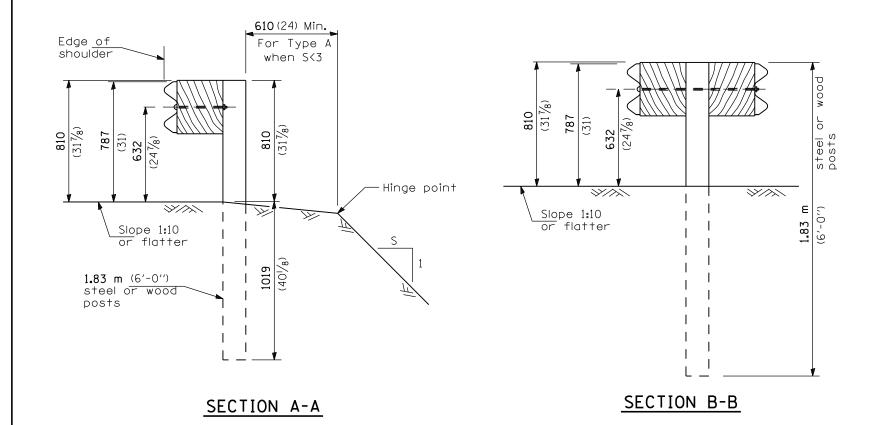
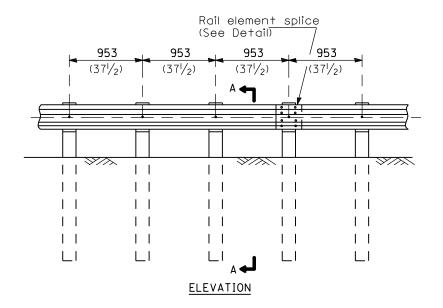


TYPE A

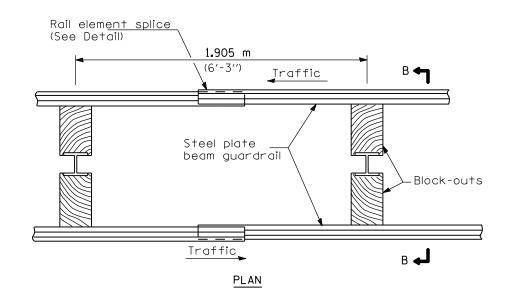
1.905 m (6'-3") Typical post spacing





TYPE B

953 $(37\frac{1}{2})$ Closed post spacing



TYPE D

Double steel plate beam guardrail 1.905 m (6'-3'') typical post spacing

GENERAL NOTES

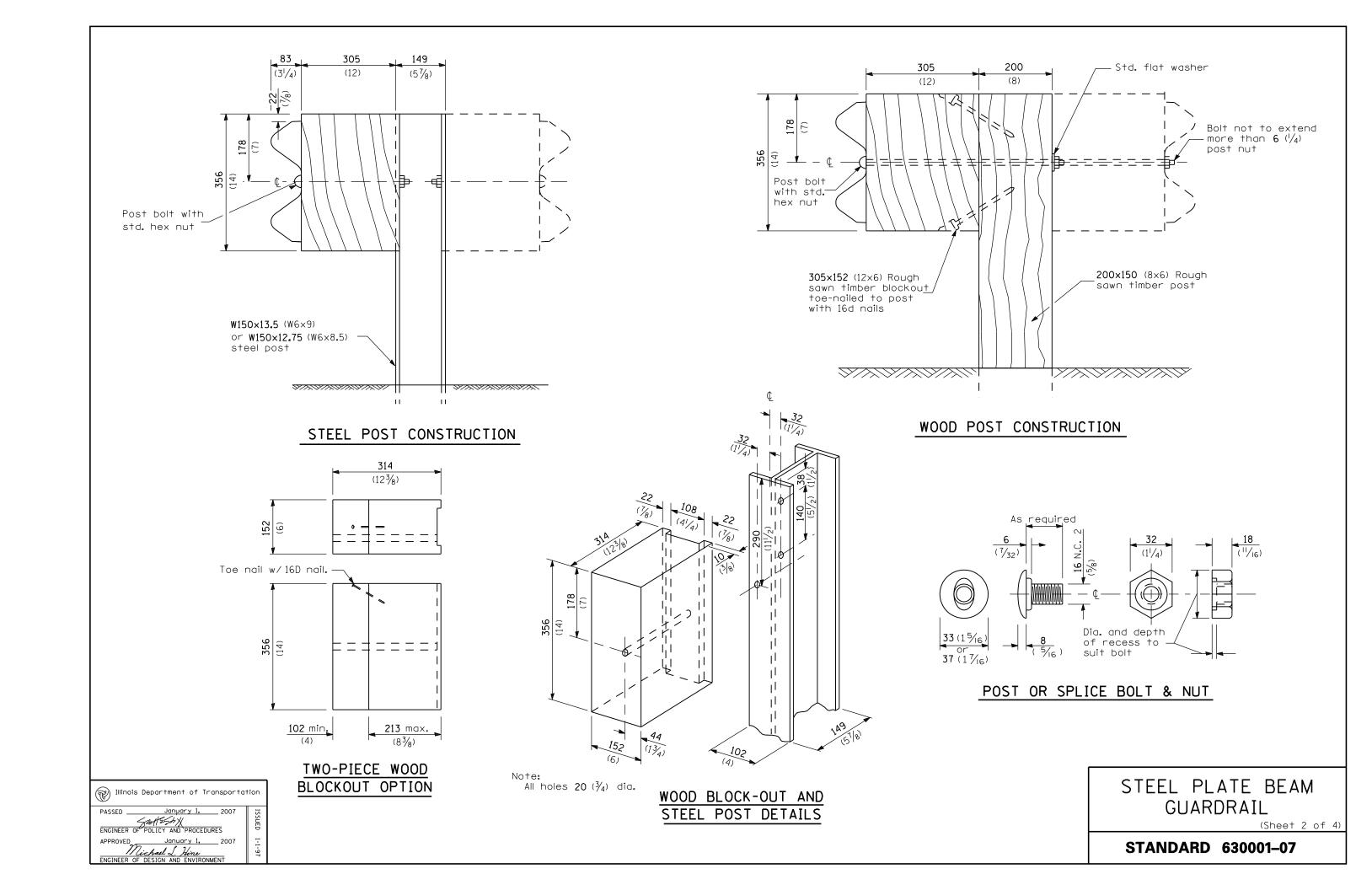
All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

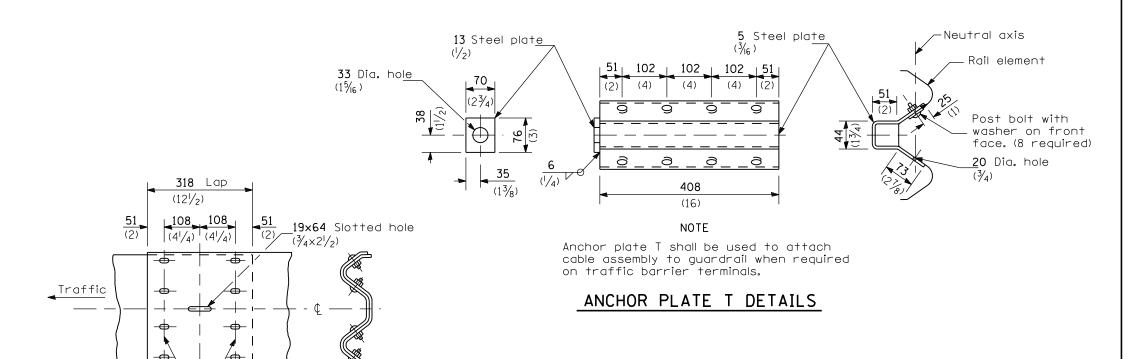
All dimensions are in millimeters (inches) unless otherwise shown.

(Sheet 1 of 4)

DATE	REVISIONS	STEEL PLATE BEAM
1-1-07	Changes adopted to	·
	implement the Midwest	GUARDRAIL
	Guardrail System.	(Sheet 1 o
		(3)1661 1 0
4-1-06	Deleted plate washer F.	STANDARD 630001-07
ı		

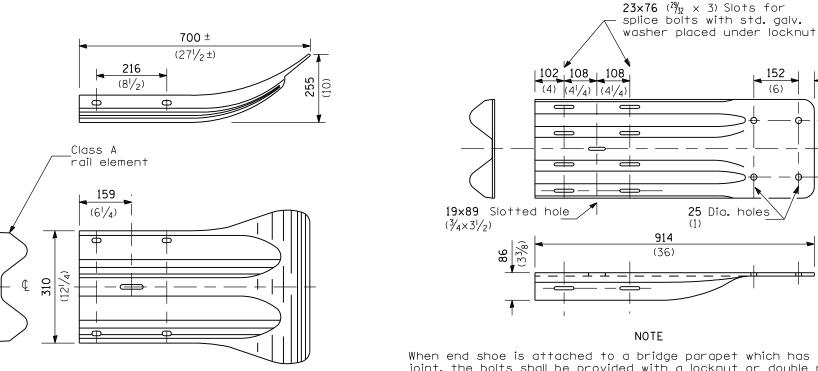
 $\qquad \qquad \qquad \mathbb{P} \\ \text{Illinois Department of Transportation} \\$ PASSED January 1, South Shall PROCEDURES APPROVED January 1, Michael L. Hine
ENGINEER OF DESIGN AND ENVIRONMEN





RAIL ELEMENT SPLICE

 23×29 ($^{29}\!\!/_{32}$ \times $1^{1}\!\!/_{8}$) Slotted holes for M16 ($^{5}\!\!/_{8}$) splice bolts



END SECTION

Illinois Department of Transportation

January 1,

January 1,

ENGINEER OF POLICY AND PROCEDURES

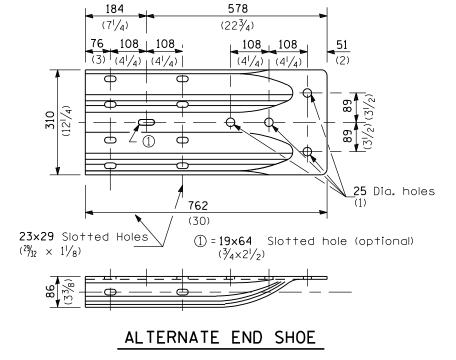
Michael L. Hine ENGINEER OF DESIGN AND ENVIRONME

PASSED

APPROVED

Class A rail

element



When end shoe is attached to a bridge parapet which has an expansion joint, the bolts shall be provided with a locknut or double nut and shall be tightened only to a point that will allow guardrail movement.

The standard end shoe shall be attached to the concrete with pre-drilled or self-drilling anchor bolts. The anchor cone shall be set flush with the surface of the concrete.

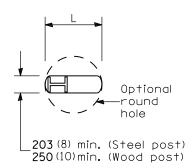
Externally threaded studs protruding from the surface of the concrete will not be permitted.

END SHOE

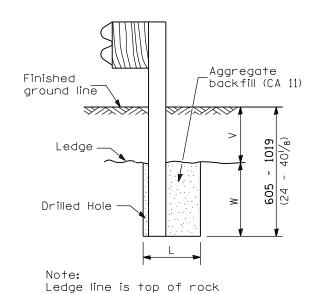
STEEL PLATE BEAM GUARDRAIL

(Sheet 3 of 4)

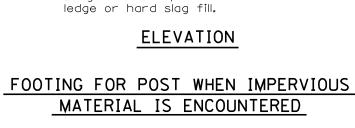
STANDARD 630001-07



PLAN



MATERIAL IS ENCOUNTERED



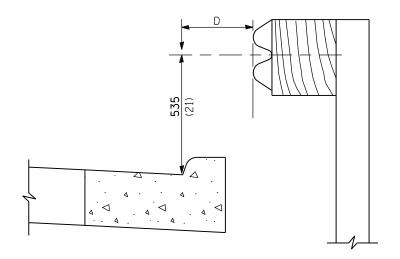
 $\qquad \qquad \mathbb{P} \text{ Illinois Department of Transportation}$

ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1.

Michael L. Hine
ENGINEER OF DESIGN AND ENVIRONMEN

<u>January 1,</u> 2007



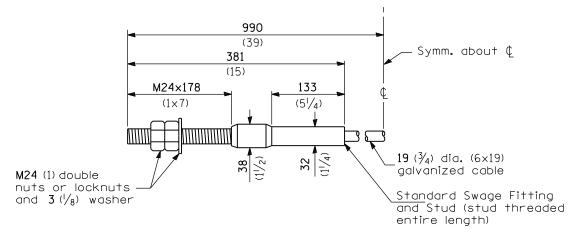
Note:

If it is necessary for D to be more than 300 (12) and less than 3.0 m (10'-0'') type M-5 (M-2) curb and gutter (Std. 606001) shall be used in front of and in advance of the guardrail.

GUARDRAIL PLACED BEHIND CURB

(D = 0 minimum to 300 (12) maximum and desirable)

V	W	L	
V	**	Steel Post	Wood Post
0 - 410 (016 ¹ / ₈)	610 (24)	530 (21)	580 (23)
>410 - 714 (>16 ¹ / ₈ - 28 ¹ / ₈)	305 (12)	203 (8)	250 (10)
>714 - 1019 (>28 ¹ / ₈ - 40 ¹ / ₈)	305 - 0 (12 - 0)	203 (8)	250 (10)



CABLE ASSEMBLY

(**18,100 kg** (40,000 lbs.) min. breaking strength) Tighten to taut tension.

STEEL PLATE BEAM GUARDRAIL

(Sheet 4 of 4)

STANDARD 630001-07